CONDITIONS OF ADMISSION

The selection will be made exclusively based on the submitted documents which must include:

- ***A handwritten request addressed to the director of the IMSP, specifying the chosen option ;***
- **A certified copy of the A-level degree or equivalent (+ certificate of authenticity file for foreign diplomas)** ;
- ***A certified copy of the* A-level *degree or equivalent degree*** ;
- ***A certifed copy of the transcripts from the A-level to the Bachelor degree*** ;
- ***A Curriculum Vitae*** ;
- ***A certified copy of the birth*** ;
- ***2 x ID photos (Passport format size)*** ;
- ***2 x letters of recommendation*** ;
- ***A receipt of payment for the application review fees***;
- ***A file folder with a strap*** ;

The application review is **23 €**, non-refundable. The application must be submitted to the secretariat of the Institute of Mathematics and Physics in Dangbo (Benin). (secretariat.particulier@imsp-uac.org)

TUITION FEES

- Registration:	**80 €**
- Training:	**457 €**
- Laboratory and internship:	**152 €**
TOTAL :	**689 €**

MANAGEMENT OF INFORMATION SYSTEMS

Institution of Higher Education and Research : University of Abomey-Calavi (UAC)

Training and Research Entity : Institute of Mathematics and Physics (IMSP)

Field of training : Science and Technology

Duration of the training : Two (2) years

Training and research entities and associated structures :
1- FAST (UAC);
2- Pierre Marie-Curie University, France;
3- Polytechnic School of Montreal, Canada.

Coordinator : Professor Léonard TODJIHOUNDE
Deputy coordinator : Dr. Joël HOUNSOU
Scientific Secretary : Dr. Jules DEGILA

Contact

Centre of Excellence in Mathematical Sciences and Applications (CEA-SMA)/IMSP-Dangbo/PoBox 613, Porto-Novo, Benin.

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Centre d'Excellence Africain en Sciences Mathématiques et Applications

@cea_sma

MASTER IN INFORMATION AND COMMUNICATION TECHNOLOGY :

NETWORKS AND TELECOMMUNICATIONS

MAIN OBJECTIVE

This training aims to equip learners with technical skills in designing, implementing and auditing computer networks and systems, to meet the needs of companies and teaching laboratories.

SPECIFIC OBJECTIVES

At the end of this training, learners will be able to:

- ☑ Explain thoroughly the concepts, protocols, technologies and network tools (IT and telecommunications)
- ☑ Design and set up networks (IT and telecommunications)
- ☑ Set up or develop new telecommunications protocols
- ☑ Optimize networks (IT and telecommunications)
- ☑ Manage the security of information assets
- ☑ Explain in details the architectures and principles of setting up networks
- ☑ Explain thoroughly and apply communication protocols to the interconnection of information systems
- ☑ Develop data processing algorithms
- ☑ Plan the network sizing phase
- ☑ Integrate security concepts such as cryptography

ADMISSIBLE PROFILE

Can apply for this training, any Beninese or foreign candidate, holder of a licence degree in Computer Science or another title deemed equivalent by the University Orientation Commission (CUO).

EXITING PROFILE

At the end of this course, learners will receive a Master's degree in ICT, with a concentration in Networks and Telecommunications.
They will be able to secure the following positions:

- ++ Network Administrator
- ++ Network and Telecommunications Architect
- ++ Project Manager (telecoms and networks)
- ++ Telecommunications Consultant
- ++ Telecom Components and Networks Designer
- ++ Networks Construction Designer (Telecommunications)
- ++ Mobile Network Designer
- ++ Telecom and Networks Operations Engineer
- ++ Signal processing Engineer (telecoms)
- ++ Image processing Engineer (telecoms)
- ++ Quality Engineer in telecommunications
- ++ Quality Engineer in methods (telecoms and networks)
- ++ Telecom Regulatory Engineer
- ++ Telecommunications and Network Security Engineer
- ++ Telecoms and network validation engineer
- ++ Network Planner

OPPORTUNITIES

Learners who have completed this training will be able to apply for positions in the following structures:

- Insurance institutions
- Universities
- Banking institutions
- Mobile phone companies
- Electricity Companies
- The National Treatment Center
- Airlines companies
- Software development companies
- The IT departmentss of administrations
- IT departments of different ministries